

Subt. For, PTO-1449

**INFORMATION DISCLOSURE
IN AN APPLICATION**

(Use several sheets if necessary)

Sheet 1 OF 3

Docket Number 110313.136US2

Application Number 10/828,975

Applicant Ren et al.

Filing Date April 21, 2004

Group Art Unit 1645

U.S. Patent Documents

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

Foreign Patent Documents

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
MS	WO 00/61624	10-19-2000	PCT				
	WO 01/07611 A2	02-01-2001	PCT				
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MS	A	Amoult et al., "Activation of mouse sperm T-type Ca ²⁺ channels by adhesion to the egg zona pellucida," Proc. Natl. Acad. Sci. USA, Vol. 93, pp. 13004-13009 (1996)
	B	Bedford, "Mammalian Fertilization Misread? Sperm Penetration of the Eutherian Zona Pellucida Is Unlikely to be a Lytic Event," Biology of Reproduction, Vol. 59, pp. 1275-1287 (1998)
	C	Darszon et al., "Ion Channels in Sperm Physiology," Physiological Reviews, Vol. 79, No. 2, pp. 481-510 (1999)
	D	Database EMBL, May 30, 2000, XP002306734, Database Accession No. AP000586
	E	Database EMBL, March 3, 2000, XP002306735, Database Accession No. AA416682
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	2/15/06
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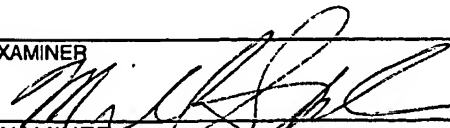
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Sheet	2	OF	3				

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	AB	Hyne et al., "Calcium-dependent increase in adenosine 3', 5'-monophosphate and induction of the acrosome reaction in guinea pig spermatozoa," Proc. Natl. Acad. Sci. USA, Vol. 76, No. 11, pp. 5699-5703 (1979)

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ms	AC	Jungnickel et al., "Trp2 regulates entry of Ca ²⁺ into mouse sperm triggered by egg ZP3," Nature Cell Biology, Vol. 3, pp. 499-502 (2001)
	AD	O'Toole et al., "Ca ²⁺ Entry through Store-operated Channels in Mouse Sperm Is Initiated by Egg ZP3 and Drives the Acrosome Reaction," Molecular Biology of the Cell, Vol. 11, pp. 1571-1584, (2000)
	AE	Quill et al., "A voltage-gated ion channel expressed specifically in spermatozoa," Proc. Natl. Acad. Sci." Vol. 98, No. 22, 12527-12531
	AF	Ren et al., "A Sperm Ion Channel Required for Sperm Motility and Male Fertility," Nature, Vol. 413, No. 6856, October 11, 2001, pp 603-609 (2001)
	AG	Santi et al., "A dihydropyridine-sensitive T-type Ca ²⁺ current is the main Ca ²⁺ current carrier in mouse primary spermatocytes," American Journal of Physiology, Vol. 271, pp. C1583-93 (1996)
	AH	Serrano et al., "Voltage-dependent Ca ²⁺ channel subunit expression and immunolocalization in mouse spermatogenic cells and sperm," FEBS Letters, 462, pp. 171-176 (1999)
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	AK	Wassaman et al., "A profile of fertilization in mammals," Nature Cell Biology, Vol. 3, E59-E64 (2001)
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